

Appendix II

The following is a list of numerous silicates compiled from (<http://www.galleries.com/minerals/silicate/>) (August 25, 2006):

Andalusite (Aluminum Silicate)

Chloritoid (Iron Magnesium Manganese Aluminum Silicate Hydroxide)

Datolite (Calcium Boro-Silicate Hydroxide)

Euclase (Beryllium Aluminum Silicate Hydroxide)

Fayalite (Iron Silicate)

Fosterite (Magnesium Silicate)

Gadolinite (Yttrium Iron Beryllium Silicate)

Almandine (Iron Aluminum Silicate)

Andradite (Calcium Iron Silicate)

Grossular (Calcium Aluminum Silicate)

Pyrope (Magnesium Aluminum Silicate)

Spessartine (Manganese Aluminum Silicate)

Uvarovite (Calcium Chromium Silicate)

Howlite (Calcium Boro-Silicate Hydroxide)

Humite (Magnesium Iron Silicate Fluoride Hydroxide)

Kyanite (Aluminum Silicate)

Olivine (Magnesium Iron Silicate)

Phenakite (Beryllium Silicate)

Sillimanite (Aluminum Silicate)

Sphene or Titanite (Calcium Titanium Silicate)

Staurolite (Iron Magnesium Zinc Aluminum Silicate Hydroxide)

Thorite (Thorium Uranium Silicate)

Topaz (Aluminum Silicate Fluoride Hydroxide)

Uranophane (Hydrated Calcium Uranyl Silicate)

Willemite (Zinc Silicate)

Zircon (Zirconium Silicate)

Bertrandite (Beryllium Silicate Hydroxide)

Danburite (Calcium Boro-Silicate)

Allanite (Yttrium Cerium Calcium Aluminum Iron Silicate Hydroxide)

Clinzoisite (Calcium Aluminum Silicate Hydroxide)

Epidote (Calcium Iron Aluminum Silicate Hydroxide)

Zoisite (Calcium Aluminum Silicate Hydroxide)

Hemimorphite (Hydrated Zinc Silicate Hydroxide)

Ilvaite (Calcium Iron Silicate Hydroxide)

Idocrase or Vesuvianite (Calcium Magnesium Aluminum Silicate Hydroxide)

Lorenzenite (Sodium Titanium Silicate)

Neptunite (Potassium Sodium Lithium Iron Manganese Titanium Silicate)

Okenite (Hydrated Calcium Silicate)

Pectolite (Sodium Calcium Silicate Hydroxide)

Aegirine (Sodium Iron Silicate)

Augite (Calcium Sodium Magnesium Aluminum Iron Titanium Silicate)

Diopside (Calcium Magnesium Silicate)

Enstatite (Magnesium Silicate)

Hedenbergite (Calcium Iron Silicate)

Hypersthene (Magnesium Iron Silicate)

Jadeite (Sodium Aluminum Iron Silicate)

Spodumene (Lithium Aluminum Silicate)

Rhodonite (Manganese Iron Magnesium Calcium Silicate)

Serandite (Sodium Manganese Calcium Silicate Hydroxide)

Shattuckite (Copper Silicate Hydroxide)

Wollastonite (Calcium Silicate)

Actinolite (Calcium Magnesium Iron Silicate Hydroxide)

Anthophyllite (Magnesium Iron Silicate Hydroxide)

Cummingtonite (Iron Magnesium Silicate Hydroxide)

Edenite (Sodium Calcium Magnesium Iron Aluminum Silicate Hydroxide)

Hornblende (Calcium Sodium Magnesium Iron Aluminum Silicate Hydroxide)

Riebeckite (Sodium Iron Silicate Hydroxide)

Tremolite (Calcium Magnesium Iron Silicate Hydroxide)

Astrophyllite (Potassium Iron Titanium Silicate Hydroxide)

Babingtonite (Calcium Iron Manganese Silicate Hydroxide)

Inesite (Hydrated Calcium Manganese Silicate Hydroxide)

Axinite (Calcium Magnesium Iron Manganese Aluminum Borosilicate Hydroxide)

Baratovite (Potassium Lithium Calcium Titanium Zirconium Silicate Fluoride)

Benitoite (Barium Titanium Silicate)

Beryl (Beryllium Aluminum Silicate)

Cordierite (Magnesium Aluminum Silicate)

Dioptase [Copper Silicate Hydroxide]

Eudialyte (Sodium Calcium Cesium Iron Manganese Zirconium Silicate Hydroxide Chloride)

Milarite (Hydrated Potassium Calcium Aluminum Beryllium Silicate)

Osumilite (Potassium Sodium Iron Magnesium Aluminum Silicate)

Dravite (Sodium Magnesium Aluminum Boro-Silicate Hydroxide)

Elbaite (Sodium Lithium Aluminum Boro-Silicate Hydroxide)

Schorl (Sodium Iron Aluminum Boro-Silicate Hydroxide)

Uvite (Calcium Sodium Iron Magnesium Aluminum Boro-Silicate Hydroxide)

Sugilite (Potassium Sodium Lithium Iron Manganese Aluminum Silicate)

Allophane (Hydrated Aluminum Silicate)

Apophyllite (Hydrated Potassium Sodium Calcium Silicate Hydroxide Fluoride)

Bannisterite (Hydrated Potassium Calcium Manganese Iron Zinc Aluminum Silicate Hydroxide)

Carletonite (Hydrated Potassium Sodium Calcium Silicate Carbonate Hydroxide Fluoride)

Cavansite (Hydrated Calcium Vanadate Silicate)

Chrysocolla (Hydrated Copper Aluminum Hydrogen Silicate Hydroxide)

Baileychlore (Zinc Iron Aluminum Magnesium Silicate Hydroxide)

Chamosite (Iron Magnesium Aluminum Silicate Hydroxide Oxide)

Clinochlore (Iron Magnesium Aluminum Silicate Hydroxide)

Cookeite (Lithium Aluminum Silicate Hydroxide)

Nomite (Nickel Magnesium Iron Aluminum Silicate Hydroxide)

Pennantite (Manganese Aluminum Silicate Hydroxide)

Penninite (Iron Magnesium Aluminum Silicate Hydroxide)

Sudoite (Magnesium Aluminum Iron Silicate Hydroxide)

Glauconite (Potassium Sodium Iron Aluminum Magnesium Silicate Hydroxide)

Illite (Hydrated Potassium Aluminum Magnesium Iron Silicate Hydroxide)

Kaolinite (Aluminum Silicate Hydroxide)

Montmorillonite (Hydrated Sodium Calcium Aluminum Magnesium Silicate Hydroxide)

Palygorskite (Hydrated Magnesium Aluminum Silicate Hydroxide)

Pyrophyllite (Aluminum Silicate Hydroxide)

Sauconite (Hydrated Sodium Zinc Aluminum Silicate Hydroxide)

Talc (Magnesium Silicate Hydroxide)

Vermiculite (Hydrated Magnesium Iron Aluminum Silicate Hydroxide)

Delhayelite (Hydrated Sodium Potassium Calcium Aluminum Silicate Chloride Fluoride Sulfate)

Elpidite [Hydrated Sodium Zirconium Silicate]

Fedorite [Hydrated Potassium Sodium Calcium Silicate Hydroxide Fluoride]

Franklinfurnaceite (Calcium Iron Aluminum Manganese Zinc Silicate Hydroxide)

Franklinphilite (Hydrated Potassium Manganese Aluminum Silicate)

Gonyerite (Manganese Magnesium Iron Silicate Hydroxide)

Gyrolite [Hydrated Calcium Silicate Hydroxide]

Leucosphenite [Hydrated Barium Sodium Titanium Boro-silicate]

Mica (e.g., Biotite (Potassium Iron Magnesium Aluminum Silicate Hydroxide Fluoride),

Lepidolite (Potassium Lithium Aluminum Silicate Hydroxide Fluoride), Muscovite (Potassium Aluminum Silicate Hydroxide Fluoride), Phlogopite (Potassium Magnesium Aluminum Silicate Hydroxide Fluoride), Zinnwaldite (Potassium Lithium Aluminum Silicate Hydroxide Fluoride))

Minehillite [Hydrated Potassium Sodium Calcium Zinc Aluminum Silicate Hydroxide]

Nordite [Cerium Lanthanum Strontium Calcium Sodium Manganese Zinc Magnesium Silicate]

Pentagonite (Hydrated Calcium Vanadate Silicate)

Petalite [Lithium Aluminum Silicate]

Prehnite (Calcium Aluminum Silicate Hydroxide)

Rhodesite (Hydrated Calcium Sodium Potassium Silicate)

Sanbornite (Barium Silicate)

Serpentine (Iron Magnesium Silicate Hydroxide)

Wickenburgite (Hydrated Lead Calcium Aluminum Silicate)

Zeophyllite [Hydrated Calcium Silicate Hydroxide Fluoride]

Albite (Sodium Aluminum Silicate)

Andesine (Sodium Calcium Aluminum Silicate)

Anorthite (Calcium Aluminum Silicate)

Bytownite (Calcium Sodium Aluminum Silicate)

Labradorite (Sodium Calcium Aluminum Silicate)

Microcline (Potassium Aluminum Silicate)

Oligoclase (Sodium Calcium Silicate)

Orthoclase (Potassium Aluminum Silicate)

Sanidine (Potassium Aluminum Silicate)

Cancrinite (Sodium Calcium Aluminum Silicate Carbonate)

Lazurite (Sodium Calcium Aluminum Silicate Sulfate Sulfide Chloride)

Leucite (Potassium Aluminum Silicate)

Nepheline (Sodium Potassium Aluminum Silicate)

Sodalite (Sodium Aluminum Silicate Chloride)

Quartz (silicon dioxide)

Scapolite (Calcium Sodium Aluminum Silicate Chloride Carbonate Sulfate)

Analcime (Hydrated Sodium Aluminum Silicate)

Chabazite (Hydrated Calcium Aluminum Silicate)

Harmotome (Hydrated Barium Potassium Aluminum Silicate)

Heulandite (Hydrated Sodium Calcium Aluminum Silicate)

Laumontite (Hydrated Calcium Aluminum Silicate)

Mesolite (Hydrated Sodium Calcium Aluminum Silicate)

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Natrolite (Hydrated Sodium Aluminum Silicate)

Phillipsite (Hydrated Potassium Sodium Calcium Aluminum Silicate)

Scolecite (Hydrated Calcium Aluminum Silicate)

Stellerite (Hydrated Calcium Aluminum Silicate)

Stilbite (Hydrated Sodium Calcium Aluminum Silicate)

Thomsonite (Hydrated Sodium Calcium Aluminum Silicate)